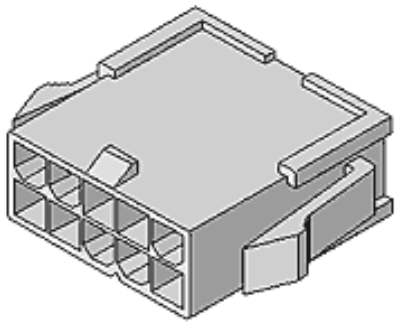
This document was generated on 06/08/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 0039012021
Status: Active
Overview: minifit_jr
Description: 4.20mm (.165") Pitch Mini-Fit Jr.™ Plug Housing, Dual Row, with and without Panel Mount Ears, UL 94V-2, Panel Mount, 2 Circuits



Series image - Reference only

Documents:

- 3D Model
- Drawing (PDF)
- Product Specification PS-5556-001 (PDF)
- RoHS Certificate of Compliance (PDF)

Agency Certification

CSA	LR19980
TUV	R72081037
UL	E29179

General

Product Family	Crimp Housings
Series	5559
Comments	Current = 13A max. per circuit when header is mated to a receptacle loaded with 45750 series terminals crimped to 16 AWG wire. . See Molex product specification PS-45750-001 for additional current de-rating information.. Glow Wire Equivalent Part Number 50361734. Not for use with Strain Relief
MolexKits	Yes
Overview	minifit_jr
Product Name	Mini-Fit Jr.™

Physical

Breakaway	No
Circuits (maximum)	2
Color - Resin	Natural
Flammability	94V-2
Gender	Male
Glow-Wire Compliant	No
Material - Resin	Nylon
Number of Rows	2
Packaging Type	Bag
Panel Mount	Yes
Pitch - Mating Interface (in)	0.165 In
Pitch - Mating Interface (mm)	4.20 mm
Pitch - Term. Interface (in)	0.165 In
Pitch - Term. Interface (mm)	4.20 mm
Polarized to Mating Part	Yes
Stackable	No
Temperature Range - Operating	-40°C to +105°C

Electrical

Current - Maximum per Contact	13A

Material Info

Old Part Number	5559-02P

Reference - Drawing Numbers

Packaging Specification	SPK-5559-001
Product Specification	PS-5556-001
Sales Drawing	SD-5559-NP

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Contains SVHC: No
Halogen-Free Status
Halogen-Free

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

Please visit the Contact Us section for any non-product compliance questions.

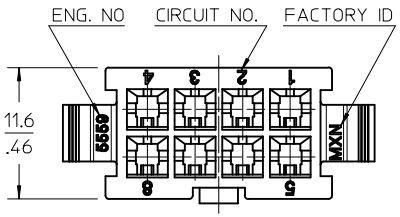
Search Parts in this Series
5559Series

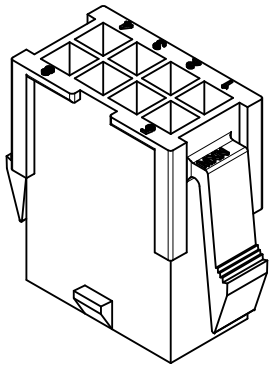
Mates With
5557d Receptacle Housing

Use With
5558 , 44478 , 30490 , 41995

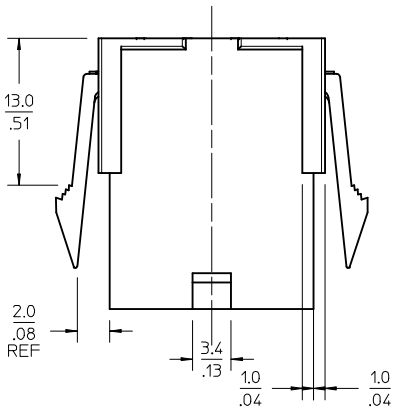
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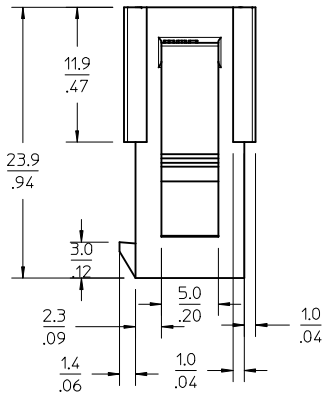
PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





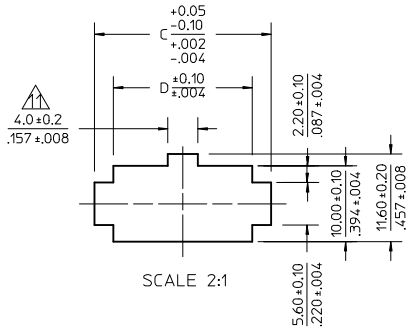
NOTES:
1) MATERIAL:
"BLANK" = NYLON 6/6, 94V-2, COLOR: NATURAL.
"BL" = NYLON 6/6, 94V-2, COLOR: BLACK.
"BU" = NYLON 6/6, 94V-2, COLOR: BLUE.
"RE" = NYLON 6/6, 94V-2, COLOR: RED.
"210" = NYLON 6/6, 94V-0, COLOR: NATURAL.
2) FINISH: NOT APPLICABLE
3) PRODUCT SPECIFICATION: PS-5556-001
4) PACKAGING: BULK
5) PART MATES WITH MOLEX RECEPTACLE #5557.
6) PART TO BE USED WITH MOLEX FEMALE TERMINAL #5558.
7) PART IS NOT DESIGNED FOR CURRENT SHARING.
8) CONNECTORS ARE NOT TO BE MATED OR UNMATED WHILE CIRCUITS ARE LIVE.
9) WIRES ARE TO BE DRESSED IN SUCH A MANNER TO ALLOW THE TERMINALS TO FLOAT FREELY IN THE POCKET.
10) PART CONFORMS TO CLASS "B" REQUIREMENTS OF COSMETIC SPECIFICATION PS-45499-002 WITH THE EXCEPTION OF DISCOLORATION, FLASH AND SINK MEET CLASS "C" REQUIREMENTS.
11) ON 2 CIRCUITS PARTS THIS DIMENSION IS ALLOWABLE UP TO "D" DIMENSION.
12) PANEL HOLE TO BE PUNCHED OUT IN THE SAME DIRECTION AS INSERTION INTO THE PANEL.





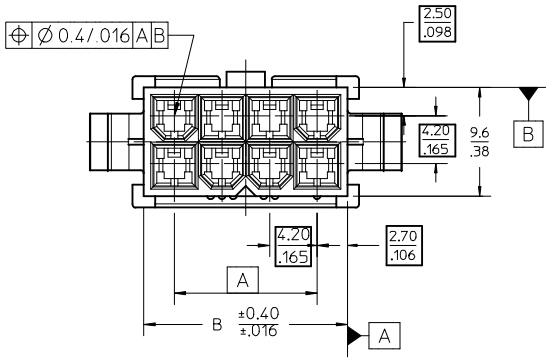
LEGEND

5559-** P - *
- BASE NO
- CIRCUIT SIZE 02-24)
- HOUSING TYPE: PLUG WITH MOUNTING EARS
- MATERIAL OPTION: (SEE NOTE 1)



RECOMMENDED PANEL HOLE DIMENSIONS

(THICKNESS : 0.8-2.0/.032-.079)



52.1/2.051	57.0/2.244	51.6/2.031	46.2/1.819	24
47.9/1.886	52.8/2.079	47.4/1.866	42.0/1.654	22
43.7/1.720	48.6/1.913	43.2/1.701	37.8/1.488	20
39.5/1.555	44.4/1.748	39.0/1.535	33.6/1.323	18
35.3/1.390	40.2/1.583	34.8/1.370	29.4/1.158	16
31.1/1.224	36.0/1.417	30.6/1.205	25.2/.992	14
26.8/1.055	31.8/1.252	26.4/1.039	21.0/.827	12
22.6/.890	27.6/1.087	22.2/.874	16.8/.661	10
18.4/.724	23.4/.921	18.0/.709	12.6/.496	8
14.2/.559	19.2/.756	13.8/.543	8.4/.331	6
10.0/.394	15.0/.591	9.6/.378	4.2/.165	4
5.8/.228	10.8/.425	5.4/.213	—	2
D	C	B	A	CIRCUIT

ADDED MODEL VIEWS
EC NO: UCP2010-0850 2009/11/09
DRWN: JAGUILAR 2009/11/10
CHKD: JBELL
APPR: FSMITH
DESCRIPTION
REV

QUALITY SYMBOLS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± .012
2 PLACES	± .30	± .016
1 PLACE	± .40	± ---
ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 3:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: H.HIRAMOTO DATE: 1988/10/14
CHECKED BY: Y.YAMADA DATE: 1988/10/21
APPROVED BY: M.ENOMOTO DATE: 1988/10/24
MATERIAL NO.: SEE CHART

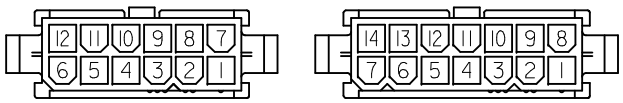
TITLE: NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING

MOLEX INCORPORATED

DOCUMENT NO.: SD-5559-NP
SHEET NO.: 1 OF 2

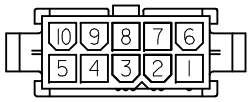
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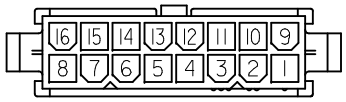


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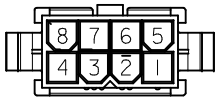
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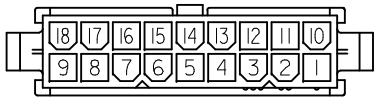
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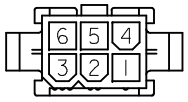
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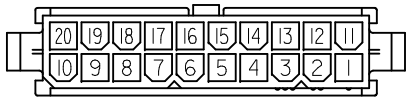
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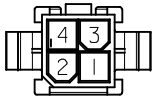
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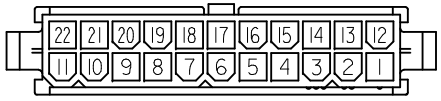
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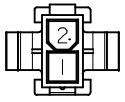
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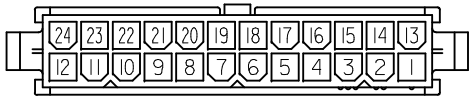
4CKTS.



22CKTS.



2CKTS.



24CKTS.

CIRCUIT SIZE LAYOUT (SCALE : 2-1)

V-2 BLACK			V-2 BLUE			V-2 RED			V-0 NATURAL			V-2 NATURAL		
		24			24			24	39-01-2246	5559 -24P-210	24	39-01-2241	5559-24P	24
		22			22			22	-2226	-22P-210	22	-2221	-22P	22
		20			20			20	-2206	-20P-210	20	-2201	-20P	20
		18			18			18	-2186	-18P-210	18	-2181	-18P	18
		16			16			16	-2166	-16P-210	16	-2161	-16P	16
		14			14			14	-2146	-14P-210	14	-2141	-14P	14
		2			12			12	-2126	-12P-210	2	-2121	-12P	12
		10			10			10	-2106	-10P-210	10	-2101	-10P	10
		8			8			8	-2086	-08P-210	8	-2081	-08P	8
		6	39-02-8067	5559-06P-RE	6			6	-2066	-06P-210	6	-2061	-06P	6
39-02-8046	5569-04P-BU	4	39-02-8047	5559-04P-RE	4			4	-2046	-04P-210	4	-2041	-04P	4
		2			2			2	39-01-2026	5559 -02P-210	2	39-01-2021	5559-02P	2
EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT	EDP NO.	ENG. NO.	CIRCUIT

SEE SHEET 1
EC NO: UCP2010-0850 2009/11/09
DRWN: JAGUILAR 2009/11/10
CHKD: JBELL
APPR: FSMITH 2009/11/10
DESCRIPTION
REV

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ANGULAR ± 3 °		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM/IN
SCALE: 2:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

		DATE
DRAWN BY	H.HIRAMOTO	1988/10/14
CHECKED BY	Y.YAMADA	1988/10/21
APPROVED BY	M.ENOMOTO	1988/10/24

TITLE: NEW MINI. FIT CONNECTOR CRIMP PIN HOUSING

MOLEX INCORPORATED

MATERIAL NO.: SEE CHART
DOCUMENT NO.: SD-5559-NP
SHEET NO.: 2 OF 2
SIZE: C

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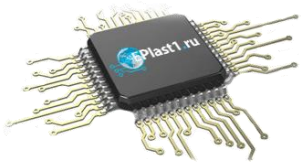
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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Факс: 8 (812) 320-02-42
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